

What is Australian obsession with home size?



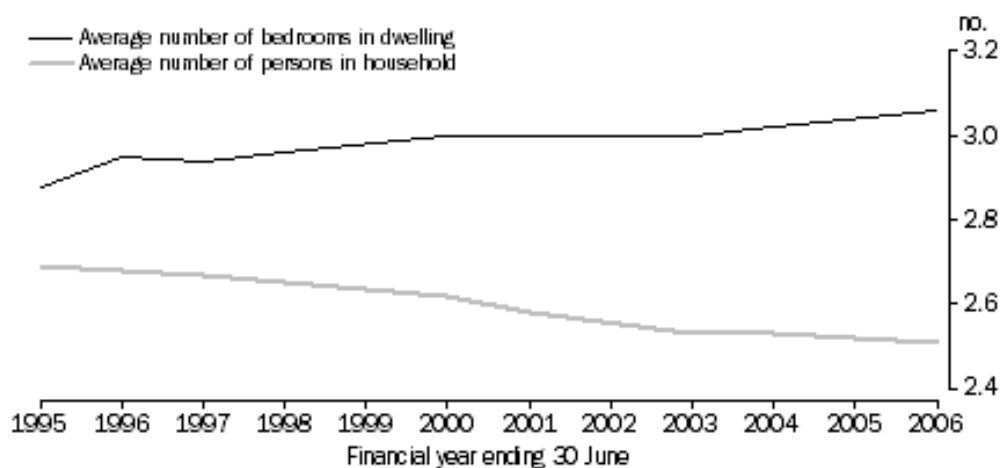
Data released by the Australian Bureau of Statistics today shows that **the average Australian home is now bigger than anywhere else in the world.**

The research, compiled for Commonwealth Securities, found the average Australian home is now **214.6 square meters**. The floor area of freestanding houses has also reached a record high, just above 245 square meters, making Australian houses 10 per cent larger than a decade ago.

Is it required?

In 2005-06 there were approximately 19.9 million people, or 7.9 million households, living in private dwellings in Australia, up 13% on the number of people in private dwellings in 1994-95. There was a larger increase in the number of households over this period (up 21%), reflecting a **decrease** in the average household size from **2.69 to 2.51 persons** per **household**. The average dwelling size **increased** over this period from **2.88 to 3.06 bedrooms** per **dwelling**.

Average number of persons and bedrooms, 1994-95 to 2005-06



Note: Survey not run in 1998-99, 2001-02 or 2004-05. Values have been interpolated for these years.

Therefore let's start considering what the average number of bedrooms per dwelling is to balance the average persons per household?

Learning from other space paradigms within the following key elements:

Quality of space

Construction

Energy consumption

The use of outdoor (garden) and public space

Structural paradigm

PACO House by Jo Nagasaka and Schemata Architecture



Within a **3x3x3 square meter box** that has **everything** you need to sustain your life - bed, shower, toilet, kitchen, electricity, water.

Construction

Because of its small dimensions, Paco **doesn't require an infrastructure**.

80% of the home is manufactured in **a plant**, allowing for customization to the home and virtually endless possibilities for geographic placement. Paco House packs alternative energies into its small design.

BED



Your sleeping quarters – consisting of a **hammock** – **does not require any floor space**, further maximizing the micro compact layout.

Shower + Toilet



The shower in Paco House is built into the overall design with **a movable, sheer, waterproof partition wall** that separates the spray from the living areas. This space-saving shower also houses the toilet.

The inventive **toilet** is installed **beneath the floor**, so when it's not in use, it is concealed and out of the way, opening up more room for livable space.

Dining



Paco House features a **table** that, when not in use, is concealed **beneath the floor**. When dinner time rolls around, the table can be lifted with a simple 90-degree turn of the handle.

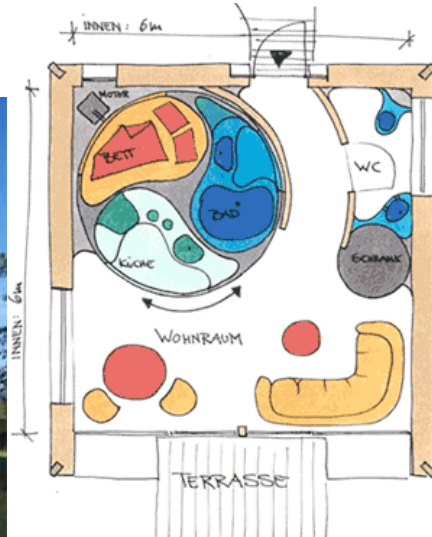
Energy consumption



This eco-friendly self-contained accommodation features **solar** and **wind energy**, **water recycling** and a **biodegradable toilet**.

The interior of Paco House is illuminated using energy-efficient LED lighting. And when the lights go out, **natural light floods the space via the skylight**, made of two sheets of glass with air trapped in between to prevent condensation.

The Rotor house by designer Luigi Colani



This is an innovative **tiny house** that fits into a space of just **approximately 18×18 feet**. The house is called the “rotor” house, because it actually has a turning rotor. You can use a **remote** and **turn** the house from your



bathroom

bedroom

kitchen

So when you decide you want to see or visit one room or another, **simply pick up** the **remote control**.

Luigi colani thinks radically towards the future. **Maximum living area** with **minimum outer dimensions** was his **aim**. Rotor house is ideal for the growing number of big city nomads and small families.

Bloomframe by Architects Hofman Dujardin and Hurks geveltechniek



Bloomframe, the innovative **window** that morphs magically **into** a **balcony** at the touch of a **button**. Opening the Bloomframe window offers the possibility to step outside and enjoy the outdoor space. With one simple movement, light, air and space are added to the interior. The **dynamic balcony** offers a solution for **compact apartments** in **dense urban areas**. It can be installed in new and existing buildings.

Interior paradigms

Compact All-in-One Furniture Design for Kitchen Dining by Melanie Olle and Ilja

Oelschlägel

This space-saving, **fold-out kitchen-table-and-dining-room combination** is unreservedly Germanic, a brilliant blend of formal simplicity and ingenious engineering.

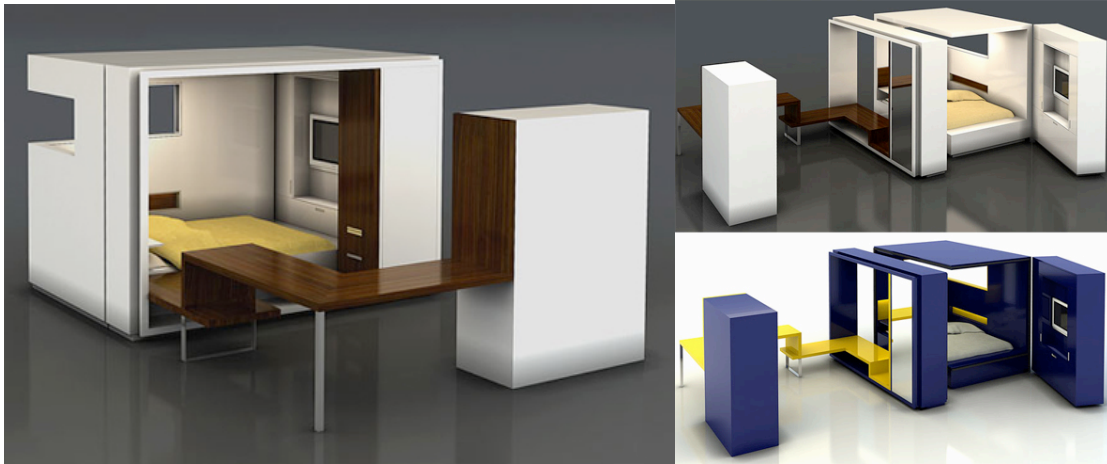


In its **closed position**, each element is carefully outlined like a **line drawing** on paper the bolder lines denoting the essential elements of the **lamp**, **table** and **seating objects**.



Open or closed, preparations for a meal can be made using any one part (or combination of parts) that make up the overall design, **cupboards** and **drawers** closing and opening but **seats** and **table** also **sliding in** and **out as needed**.

The ODA room by ODA



The ODA room is a modular **collapsing-and-expanding dwelling system** that solves your bedroom interior design problems with one stylish, simple and reasonably **affordable** space-creating design object.

Composed of three essential elements (Pod, Media Station and Satellite), ROOM is a **room-in-a-box** bedroom solution that expands and contracts as needed to conform to user requirements. Simple construction and materials make this a design-within-reach for its target demographic (primarily younger buyers) and customized materials allow people to upgrade to more elegant versions should they choose (for a price).

Furniture paradigms

All-in-One Modular Fold Out Living Room Furniture Set by Matroshka



This remarkable **furniture collection** packs down to just **13 square feet** but includes: **bookshelves**, a double bed, corner couch, dinner table, four stools, working space, drawers, a wardrobe and additional storage.

Conclusion

This kind of fold-away and smart using space design ideas could be applied all throughout a house to great effect, with slide-out fixtures and furniture of all kinds. A great initial concept, this could possibly be the main trend of minimized space design in the future.